Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/23/2020 10:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123285	-2	2.57	123345	2.56
Blue	F	SSC	125000	124431	-1	1.57	125077	1.51
Blue	E	FITC	15892	15353	-4	3.17	332	20.99
Blue	D	PE	29999	29404	-2	2.41	639	15.34
Blue	B	PerCP-Cy5-5	43732	43392	-1	4.00	1161	20.83
Blue	A	PE-Cy7	30845	30754	-1	6.71	583	42.95
Red	C	APC	46112	45215	-2	2.39	1594	11.94
Red	A	APC-Cy7	30458	29924	-2	2.41	791	11.91
Violet	B	V450	7918	7403	-7	4.96	425	13.38
Violet	A	V500	32171	31300	-3	4.86	728	11.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16593	14.74	627	6	N/A	N/A	Pass
Blue	F	SSC	57411	1.37	568	9	N/A	N/A	Pass
Blue	E	FITC	60	68.71	546	3	0.0189	180	Pass
Blue	D	PE	133	50.51	553	5	0.1437	234	Pass
Blue	B	PerCP-Cy5-5	214	50.77	660	4	0.0087	55	Pass
Blue	A	PE-Cy7	105	109.14	704	6	0.0100	20	Pass
Red	C	APC	382	24.63	585	1	0.0252	133	Pass
Red	A	APC-Cy7	173	28.63	557	1	0.0056	945	Pass
Violet	B	V450	64	60.65	464	6	0.0521	2264	Pass
Violet	A	V500	109	34.73	481	7	0.0220	817	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.00	-31.71	0.98
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.47
Red	15.78	13.60 - 20.40	N/A	N/A	29.33	29.59	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9546

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments